

List of Plants

C RUTIN

Chemid

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Dosage

LD50=950 (ivn mus)

Merck 11th Edition

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Plant Part	Low PPM	High PPM	StdDev	*Reference
Acacia farnesiana	Leaf	--	--		Wealth of India.
Acacia decurrens	Plant	--	--		*
Acacia catechu	Plant	--	--		*
Achillea millefolium	Plant	--	--		Tunon, H., Thorsell, W., and Bohlin, L. 1993. Mosquito Repelling Activity of Compounds Occurring in Achillea millefolium L. (Asteraceae). Economic Botany 48(2): 111-120, 1994.
Adiantum capillus-veneris	Leaf	--	--		*
Aesculus hippocastanum	Flower	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aesculus hippocastanum	Plant	--	--		Jim Duke's personal files.
Agathosma betulina	Leaf	--	--		*
Agathosma betulina	Essential Oil	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Agrimonia eupatoria	Inflorescence	--	1700.0		*
Agrimonia eupatoria	Leaf	--	--		Wealth of India.
Alisma plantago-aquatica	Leaf	--	--		*
Allium sativum var. sativum	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
Allium cepa	Bulb	--	14000.0		*
Amaranthus sp.	Plant	--	--		*
Amaranthus spinosus	Leaf	--	--		Wealth of India.
Ammi visnaga	Leaf	--	--		*
Ammi visnaga	Flower	--	--		*
Anastatica hierochuntica	Plant	--	--		*
Anethum graveolens	Leaf	--	1400.0	-0.92	Varnaite, R. 1988. Rutin Content in Capsicum, Capsella, Urtica, Primula, Lepidium, Lactuca, Brassica, Anethum, Beta, Petroselinum, Allium Genera Representatives. Liet TSR Mokslu Akad Darb Ser C, 4: 29-32.
Apium graveolens	Shoot	--	170.0	-0.56	*
Apium graveolens	Plant	--	170.0	-0.68	*
Arachis hypogaea	Plant	--	--		*
Araucaria bidwillii	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

<i>Artemisia dracunculus</i>	Shoot	100.0	560.0	-0.53	*
<i>Artemisia absinthium</i>	Plant	--	--		*
<i>Artemisia dracunculus</i>	Leaf	--	--		*
<i>Artemisia abrotanum</i>	Plant	--	--		*
<i>Artemisia vulgaris</i>	Plant	--	--		Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Aspalathus linearis</i>	Shoot	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Asparagus officinalis</i>	Root	--	--		*
<i>Azadirachta indica</i>	Leaf	--	--		*
<i>Barosma betulina</i>	Essential Oil	--	--		*
<i>Berberis vulgaris</i>	Fruit	--	--		Jim Duke's personal files.
<i>Brassica oleracea</i> var. <i>gemmifera</i>	Shoot	--	20.0	-0.57	*
<i>Brassica oleracea</i> var. <i>botrytis</i> L.	Leaf	--	--		*
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Caesalpinia pulcherrima</i>	Flower	--	--		*
<i>Calendula officinalis</i>	Flower	--	--		*
<i>Camellia sinensis</i>	Leaf	1200.0	1580.0	-0.91	*
<i>Capparis spinosa</i>	Flower	--	--		*
<i>Capparis spinosa</i>	Plant	--	--		*
<i>Capparis spinosa</i>	Shoot	--	--		*
<i>Capsella bursa-pastoris</i>	Plant	--	--		*
<i>Capsicum annuum</i>	Fruit	--	3874.0	-0.21	Varnaite, R. 1988. Rutin Content in Capsicum, Capsella, Urtica, Primula, Lepidium, Lactuca, Brassica, Anethum, Beta, Petroselinum, Allium Genera Representatives. Liet TSR Mokslu Akad Darb Ser C, 4: 29-32.
<i>Capsicum frutescens</i>	Fruit	--	487.0	-0.6	Varnaite, R. 1988. Rutin Content in Capsicum, Capsella, Urtica, Primula, Lepidium, Lactuca, Brassica, Anethum, Beta, Petroselinum, Allium Genera Representatives. Liet TSR Mokslu Akad Darb Ser C, 4: 29-32.
<i>Centaurea calcitrapa</i>	Plant	--	--		*
<i>Chamaemelum nobile</i>	Plant	--	--		*
<i>Cichorium intybus</i>	Leaf	--	14000.0	-0.14	*
<i>Cichorium intybus</i>	Seed	--	6400.0	0.08	*
<i>Citrullus lanatus</i>	Seed	15000.0	16500.0	1.61	*
<i>Citrus limon</i>	Leaf	--	--		Jim Duke's personal files.
<i>Citrus sinensis</i>	Pericarp	--	6100.0		Jim Duke's personal files.
<i>Citrus limon</i>	Fruit	1.0	2.0	-0.65	*
<i>Citrus sinensis</i>	Leaf	--	9000.0	-0.45	Jim Duke's personal files.
<i>Cnicus benedictus</i>	Plant	--	--		Jim Duke's personal files.
<i>Convallaria majalis</i>	Plant	--	--		*

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<i>Coriandrum sativum</i>	Fruit	--	--	*	
<i>Cornus mas</i>	Leaf	--	--		Delaveau, P., Paris, R. R. 1961. Concerning the Presence of Rutoside and Gallic Derivatives from the Flowers of <i>Cornus mas</i> and Preliminary Research with <i>C. sanguinea</i> . Bull Soc Chim Biol, 43: 661-666.
<i>Cornus mas</i>	Flower	--	--		Delaveau, P., Paris, R. R. 1961. Concerning the Presence of Rutoside and Gallic Derivatives from the Flowers of <i>Cornus mas</i> and Preliminary Research with <i>C. sanguinea</i> . Bull Soc Chim Biol, 43: 661-666.
<i>Crataegus monogyna</i>	Inflorescence	--	--	*	
<i>Crataegus rhipidophylla</i>	Leaf	--	--	*	
<i>Crataegus laevigata</i>	Bud	--	--	*	
<i>Crataegus laevigata</i>	Leaf	--	--	*	
<i>Crataegus laevigata</i>	Plant	--	--	*	
<i>Crataegus pentagyna</i>	Plant	--	--		Schussler, M., Fricke, U., Nikolov, N., and Holzl, J. 1991. Comparison of the Flavonoids Occurring in <i>Crataegus</i> species and Inhibition of 3',5'-Cyclic Adenosine Monophosphate Phosphodiesterase. Plant Medica 57: Suppl Issue 2. p.A-133.
<i>Crataegus rhipidophylla</i>	Inflorescence	--	--	*	
<i>Crataegus laevigata</i>	Flower	--	--	*	
<i>Crataegus monogyna</i>	Leaf	--	--	*	
<i>Crataegus rhipidophylla</i>	Bud	--	--	*	
<i>Crataegus monogyna</i>	Flower	--	--	*	
<i>Cucumis melo</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Cymbopogon citratus</i>	Leaf	--	--	*	
<i>Cynara cardunculus</i>	Leaf	--	--		Jim Duke's personal files.
<i>Datura stramonium</i>	Plant	--	--	*	
<i>Dictamnus albus</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Dodonaea viscosa</i>	Leaf	--	--	*	
<i>Dodonaea viscosa</i>	Fruit	--	--	*	
<i>Echinacea purpurea</i>	Leaf	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Echinacea spp</i>	Leaf	--	--		Economic & Medicinal Plant Research, 5: 253.
<i>Eriobotrya japonica</i>	Leaf	--	10500.0	-0.35	Jim Duke's personal files.
<i>Erythroxylum novogranatense</i>	Leaf	--	5000.0	-0.69	*
<i>Erythroxylum coca</i>	Leaf	--	5000.0	-0.69	*
<i>Eschscholzia californica</i>	Inflorescence	--	--	*	
<i>Eschscholzia californica</i>	Flower	5000.0	50000.0	0.02	*
<i>Eucalyptus citriodora</i>	Leaf	--	12500.0	-0.23	*
<i>Eucalyptus globulus</i>	Leaf	--	--	-1.0	*
<i>Eucalyptus macrorrhuncha</i>	Plant	120000.0	200000.0	2.32	*
<i>Eupatorium</i>	Plant	--	--	*	

Euphorbia pulcherrima	Leaf	--	--		*
Euphrasia officinalis	Plant	--	--		*
Fagopyrum esculentum	Testa	--	43.0		*
Fagopyrum esculentum	Leaf	11600.0	63700.0	2.95	*
Fagopyrum esculentum	Seed	87.0	511.0	-0.82	*
Fagopyrum esculentum	Flower	40000.0	63700.0	0.23	*
Fagopyrum esculentum	Stem	600.0	50600.0		*
Fagopyrum esculentum	Petiole	505.0	975.0		*
Fagopyrum esculentum	Plant	1000.0	68300.0	0.34	*
Fallopia japonica	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ficus carica	Leaf	500.0	14300.0	-0.12	*
Ficus carica	Fruit	--	--		*
Filipendula ulmaria	Shoot	--	--		*
Filipendula ulmaria	Plant	--	--		*
Foeniculum vulgare	Seed	--	--		*
Foeniculum vulgare	Fruit	--	--		*
Forsythia suspensa	Flower	--	1000.0	-0.75	*
Forsythia suspensa	Fruit	--	--		*
Galega officinalis	Shoot	--	--		*
Ginkgo biloba	Leaf	6.0	30000.0	0.86	Jim Duke's personal files.
Ginkgo biloba	Plant	--	--		Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
Glechoma hederacea	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Shoot	--	--		*
Glycyrrhiza uralensis	Leaf	--	53.0	-1.0	*
Gossypium sp	Plant	--	--		*
Hedera helix	Stem	--	--		*
Hemidesmus indicus	Flower	--	--		*
Houttuynia cordata	Leaf	--	--		*
Houttuynia cordata	Shoot	--	1200.0	-0.48	*
Houttuynia cordata	Plant	--	--		*
Houttuynia cordata	Root	--	--		*
Humulus lupulus	Leaf	--	2000.0	-0.88	*
Humulus lupulus	Fruit	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hydrangea paniculata	Flower	--	41000.0	-0.12	*
Hydrangea arborescens	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hyoscyamus niger	Leaf	--	--		*

<i>Hypericum perforatum</i>	Flower	1000.0	2000.0	0.72	
Hypericum perforatum	Stem	--	--		*
Hypericum perforatum	Leaf	2000.0	3000.0	-0.82	*
Hypericum perforatum	Shoot	--	10000.0	0.17	*
Hypericum perforatum	Plant	--	16000.0	-0.44	*
<i>Ilex paraguariensis</i>	Leaf	--	--		*
<i>Illicium verum</i>	Fruit	--	--		*
<i>Juniperus communis</i>	Fruit	--	--		*
<i>Juniperus communis</i>	Leaf	--	--		*
<i>Laurus nobilis</i>	Leaf	--	--		*
<i>Leonurus cardiaca</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Ligustrum lucidum</i>	Leaf	--	--		*
<i>Lycium chinense</i>	Leaf	--	--		*
<i>Lycopersicon esculentum</i>	Leaf	--	24000.0	0.49	*
<i>Lycopersicon esculentum</i>	Fruit	--	--		*
<i>Maclura pomifera</i>	Wood	--	--		Smith, J. L. and Perino, J. V. 1981. Osage Orange (<i>Maclura pomifera</i>): History and Economic Uses. Economic Botany 35(1): 24-41
<i>Magnolia denudata</i>	Flower	--	--		*
<i>Magnolia kobus</i>	Flower	--	500.0	-0.76	*
<i>Malus domestica</i>	Leaf	--	8885.0	-0.45	*
<i>Malus domestica</i>	Pericarp	--	--		*
<i>Malus domestica</i>	Fruit Juice	--	--		*
<i>Malus domestica</i>	Fruit Epidermis	--	--		*
<i>Malus domestica</i>	Fruit	--	--		*
<i>Matricaria recutita</i>	Plant	--	--		*
<i>Matricaria recutita</i>	Flower	--	--		*
<i>Melia azedarach</i>	Leaf	--	--		*
<i>Mentha x piperita</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Menyanthes trifoliata</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Mercurialis annua</i>	Plant	--	--		*
<i>Morinda citrifolia</i>	Fruit	--	500.0	-0.6	*
<i>Morus alba</i>	Fruit	--	--		*
<i>Morus alba</i>	Leaf	20000.0	60000.0	2.72	*
<i>Musa x paradisiaca</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Nasturtium officinale</i>	Shoot	--	--		*
<i>Nelumbo nucifera</i>	Embryo	--	--		*
<i>Nerium oleander</i>	Leaf	--	--		*

tabacum					CSIR, New Delhi. 11 volumes.
<i>Nicotiana glauca</i>	Leaf	12000.0	21000.0	0.3	*
<i>Nigella sativa</i>	Seed	--	200.0	-0.86	*
<i>Ocimum basilicum</i>	Leaf	--	--		*
<i>Olea europaea</i>	Pericarp	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
<i>Opuntia ficus-indica</i>	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
<i>Opuntia ficus-indica</i>	Pt	--	--		*
<i>Origanum vulgare</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Origanum majorana</i>	Shoot	--	--		*
<i>Passiflora incarnata</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Pastinaca sativa</i>	Plant	--	--		*
<i>Petroselinum crispum</i>	Leaf	--	30000.0	0.86	*
<i>Petroselinum crispum</i>	Shoot	--	44480.0	2.75	Varnaite, R. 1988. Rutin Content in Capsicum, Capsella, Urtica, Primula, Lepidium, Lactuca, Brassica, Anethum, Beta, Petroselinum, Allium Genera Representatives. Liet TSR Mokslu Akad Darb Ser C, 4: 29-32.
<i>Phaseolus vulgaris</i>	Shoot	--	--		*
<i>Phaseolus aborigineus</i>	Shoot	--	--		*
<i>Phoenix dactylifera</i>	Pollen Or Spore	--	--		Abstract (See species file)
<i>Phyllanthus niruri</i>	Plant	--	--		Tramil
<i>Phyllanthus emblica</i>	Fruit	--	4600.0	-0.13	*
<i>Phyllanthus emblica</i>	Leaf	--	21000.0	0.3	*
<i>Phyllanthus amarus</i>	Shoot	--	1378.0	-0.47	*
<i>Physalis peruviana</i>	Root	--	--		*
<i>Pimpinella anisum</i>	Seed	--	--		*
<i>Pimpinella anisum</i>	Fruit	--	--		*
<i>Piper nigrum</i>	Fruit	--	--		*
<i>Plumeria acutifolia</i>	Plant	--	--		*
<i>Polygonum aviculare</i>	Plant	--	--		*
<i>Polygonum hydropiper</i>	Leaf	25000.0	30000.0	0.86	*
<i>Prunella vulgaris</i>	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Prunus armeniaca</i>	Fruit	--	--		*
<i>Prunus spinosa</i>	Flower	--	--		*
<i>Prunus cerasus</i>	Plant	--	--		*
<i>Prunus armeniaca</i>	Leaf	--	17700.0	0.09	*
<i>Pteridium aquilinum</i>	Plant	--	--		*
<i>Pueraria montana</i>	Leaf	--	--		*
<i>Punica granatum</i>	Leaf	--	--		*
<i>Punica granatum</i>	Fruit Juice	--	--		*
<i>Punica granatum</i>	Plant	--	--		Seeram, N. P., Schulman, R. N., and Heber, D., eds. 2006. Pomegranates - Ancient Roots to

Rheum rhabarbarum	Leaf	--	6000.0	-0.63	*
Rheum officinale	Root	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Rheum officinale	Plant	--	13000.0	-0.49	*
Ribes nigrum	Fruit Juice	--	--		*
Ribes nigrum	Leaf	--	--		*
Ribes nigrum	Fruit	--	--		*
Ricinus communis	Leaf	--	2000.0	-0.88	*
Rosa multiflora	Fruit	--	--		*
Rubus idaeus	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Rumex acetosella	Shoot	--	5300.0	-0.18	*
Rumex acetosa	Leaf	--	12800.0	-0.21	*
Rumex crispus	Leaf	--	--		*
Ruscus aculeatus	Plant	300.0	400.0	-0.68	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ruscus aculeatus	Shoot	--	--		*
Ruscus aculeatus	Root	91.0	400.0		*
Ruta graveolens	Plant	--	20000.0	-0.38	*
Salix alba	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Salix alba	Leaf	--	--		*
Sambucus canadensis	Leaf	35000.0	38000.0	1.35	*
Sambucus canadensis	Flower	7700.0	52000.0	0.05	*
Sambucus nigra	Leaf	210.0	9200.0	-0.43	*
Sambucus nigra	Flower	19000.0	25000.0	-0.37	*
Scopolia carniolica	Leaf	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Selenicereus grandiflorus	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Serenoa repens	Fruit	--	--		*
Smilax china	Leaf	--	--		*
Solanum tuberosum	Shoot	--	--		*
Solanum tuberosum	Flower	--	--		*
Solidago gigantea	Leaf	--	--		*
Solidago virgaurea	Leaf	--	--		*
Sophora japonica	Leaf	--	40000.0	1.48	*
Sophora japonica	Bud	176000.0	229000.0		*
Sophora japonica	Fruit	--	25000.0	2.19	*
Sophora japonica	Flower	128000.0	140000.0	1.42	*
Sorbus aucubaria	Fruit	--	--		*
Spinacia oleracea	Shoot	--	--		*
Spinacia oleracea	Leaf	--	170.0	-0.99	*
Stellaria media	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6,

<i>Stevia rebaudiana</i>	Tissue Culture	--	7.0		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Syringa vulgaris</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Tephrosia purpurea</i>	Leaf	--	--		*
<i>Terminalia chebula</i>	Fruit	--	--		Polovyanov, G. G. 1974. Flavonoids from the Fruit of the Yellow Myrobalan Plum. Chem. Nat. Comp. 10 (5): 690-.
<i>Teucrium scordium</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Teucrium scorodonia</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Theobroma cacao</i>	Leaf	--	--		*
<i>Tribulus terrestris</i>	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Trigonella foenum-graecum</i>	Leaf	--	--		*
<i>Tussilago farfara</i>	Flower	--	3600.0	-0.71	*
<i>Uncaria tomentosa</i>	Bark	--	--		Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from Uncaria tomentosa Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.
<i>Uncaria guianensis</i>	Bark	--	--		Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from Uncaria tomentosa Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.
<i>Urtica dioica</i>	Shoot	500.0	6000.0	-0.13	*
<i>Urtica dioica</i>	Flower	--	7000.0	-0.66	Jim Duke's personal files.
<i>Urtica dioica</i>	Leaf	--	--		Jim Duke's personal files.
<i>Urtica dioica</i>	Inflorescence	--	--		Jim Duke's personal files.
<i>Urtica dioica</i>	Root	--	--		Jim Duke's personal files.
<i>Vaccinium myrtillus</i>	Leaf	--	--		*
<i>Vaccinium corymbosum</i>	Plant	--	--		*
<i>Vigna radiata</i>	Sprout Seedling	--	--		*
<i>Viola odorata</i>	Flower	--	20000.0	-0.45	*
<i>Viola tricolor</i>	Flower	100000.0	230000.0	2.83	*
<i>Vitis vinifera</i>	Leaf	--	--		*
<i>Withania somnifera</i>	Leaf	--	--		*
<i>Xylopia aethiopica</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Zizyphus jujuba</i>	Leaf	--	15000.0	-0.07	*